

Sun-1 Hoffm

CRF Errors Corrected by the STIC Systems Branch

1642

P#11

Serial Number: 09/095,478A

ENTERED

Changed a file from non-ASCII to ASCII

Changed the margins in cases where the sequence text was "wrapped" down to the next line.

Edited a format error in the Current Application Data section, specifically:

Edited the Current Application Data section with the actual current number. The number inputted by the applicant was the prior application data; or other _____

Added the mandatory heading and subheadings for "Current Application Data".

Edited the "Number of Sequences" field. The applicant spelled out a number instead of using an integer.

Changed the spelling of a mandatory field (the headings or subheadings), specifically:

Corrected the SEQ ID NO when obviously incorrect. The sequence numbers that were edited were:

Inserted or corrected a nucleic number at the end of a nucleic line. SEQ ID NO's edited:

Corrected subheading placement. All responses must be on the same line as each subheading. If the applicant placed a response below the subheading, this was moved to its appropriate place.

Inserted colons after headings/subheadings. Headings edited included: **RECEIVED**

Deleted extra, invalid, headings used by an applicant, specifically: **JUN 26 2000**

Deleted: non-ASCII "garbage" at the beginning/end of files; secretary initials/filename at end of file; page numbers throughout text; other invalid text, such as _____ **TECH CENTER 1600/2900**

Inserted mandatory headings, specifically: _____

Corrected an obvious error in the response, specifically: _____

Edited identifiers where upper case is used but lower case is required, or vice versa.

Corrected an error in the Number of Sequences field, specifically: _____

A "Hard Page Break" code was inserted by the applicant. All occurrences had to be deleted.

Deleted *ending* stop codon in amino acid sequences and adjusted the "(A)Length:" field accordingly (error due to a PatentIn bug). Sequences corrected: _____

Other: _____

*Examiner: The above corrections must be communicated to the applicant in the first Office Action. DO NOT send a copy of this form.

3/1/95

RAW SEQUENCE LISTING
PATENT APPLICATION US/09/095,478ADATE: 06/08/2000
TIME: 07:09:26

INPUT SET: S35575.raw

47

48 (A) APPLICATION NUMBER:
49 (B) FILING DATE:

50

51

52 (viii) ATTORNEY/AGENT INFORMATION:

53

54 (A) NAME: Warburg, Richard J.
55 (B) REGISTRATION NUMBER: 32,327
56 (C) REFERENCE/DOCKET NUMBER: 235/054

57

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61

62 (ix) TELECOMMUNICATION INFORMATION:

63

64 (A) TELEPHONE: (858) 720-2500
65 (B) TELEFAX: (585) 720-2555
66 (C) TELEX: 3760

67

68 (2) INFORMATION FOR SEQ ID NO: 1:

69

70 (i) SEQUENCE CHARACTERISTICS:

71

72 (A) LENGTH: 1785 base pairs
73 (B) TYPE: nucleic acid
74 (C) STRANDEDNESS: single
75 (D) TOPOLOGY: linear

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77 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:1:

78

79 GGTTATGTCT GACTCACTGC ACTGGAGTTT GGCAAAAGCA TCTCAGAAGT GGTTGTGCTT	60
80 TTTTGAATGA AATGATCAAT GGAGTGCTCC AGTTGTATGC TGGCCTCTGG ATACTAACTA	120
81 GACCTGCCTG ACTCCAGGAA CTAAGGCTCA GTATCTGCAG AAGCTTTTG CCCATCTCAT	180
82 TCCGGCTATG GGGACAAACAT GTCTTCACCC AGGAAGGTTA GAGGAAAAAC TGGAAGAGAT	240
83 AATGATGAAG AGGAGGGTAA TTCAGGTAAAC CTGAATCTCC GCAACTCTTT GCCTTCATCG	300
84 AGTCAGAAAA TGACGCCAAC GAAGCCGATT TTTGGGATAA AAATGAATTG AGAGAATGTA	360
85 AAACCCCTCCC ATCACCTGTC ATTCTCAGAT AAGTATGAGC TTGTTTACCC AGAGCCTTTG	420
86 GAAAGTGACA CTGATGAGAC TGTGTGGGAT GTCAGTGACC GGTCTCTCAG AAACAGGTGG	480
87 AACAGTATGG ATTCAAGAGAC TGCAAGGGCCG TCAAAGACTG TCTCCCCAGT GCTTTCTGGT	540
88 AGTAGTAGGC TCTCAAAGGA CACTGAAACA TCTGTCTCTG AAAAGGAGCT AACTCAGTTG	600
89 GCTCAGATTC GACCATTAAT ATTCAACAGT TCTGCACGGT CTGCTATGCG GGATTGTTTG	660
90 AACACGCTTC AGAAAAAAGA AGAACTTGAT ATCATCCGTG AGTTTTTGGG GTTAAACAA	720
91 ATGACTCTGC CTGATGACTT CAATTCTGGG AATACACTAC AGAACAGAGA TAAGAACAGA	780
92 TACCGAGATA TTCTTCCATA TGATTCAACA CGTGTCTCTC TTGGAAAAAA CAAGGACTAC	840
93 ATCAACGCTA GTTATATTAG AATAGTAAAT CATGAAGAAG AGTATTTTTA TATTGCCACT	900
94 CAAGGACCAT TGCCAGAAC TATAGAAGAC TTTTGGAAA TGTTCTGGA AAATAATTGT	960
95 AATGTTATTG CTATGATAAC CAGAGAGATA GAATGTGGAG TTATCAAGTG TTACAGTTAC	1020
96 TGGCCCATTCTCTGAAGGA GCCTTTGGAA TTCGAACACT TTAGTGTCTT TCTGGAGACC	1080
97 TTTCATGTAA CTCAAATATT CACCGTTCGA GTATTTCAAGA TTGTGAAGAA GTCCACAGGA	1140
98 AAGAGCCAAT GTGTAAAACA CTTGCAGTTC ACCAAGTGGC CAGACCATGG CACTCCTGCC	1200
99 TCAGCAGATT TTTTCATAAAA ATATGTCCGT TATGTGAGGA AGAGCCACAT TACAGGACCC	1260

RAW SEQUENCE LISTING
PATENT APPLICATION US/09/095,478ADATE: 06/08/2000
TIME: 07:09:27

INPUT SET: S35575.raw

100	CTCCTTGTTC ACTGCAGTGC TGGTGTAGGC CGAACAGGGG TGTTCATATG TGTGGATGTT	1320
101	GTGTTCTCTG CCATCGAGAA GAACTACTCT TTTGACATTA TGAACATAGT GACCCAGATG	1380
102	AGAAAGCAGC GCTGTGGCAT GATTCAAACC AAGGAGCAGT ACCAGTTTG TTATGAAATT	1440
103	GTGCTTGAAG TTCTTCAGAA CCTCTGGCT TTGTATTAAG AGAGACTTCT GCGCCTGTCC	1500
104	CTCGAGGTAA CCGAGCAGCT TGGAGCCTGA GCCGTGCTGA AGCGTCTGCG GGCGTGCAG	1560
105	TCTGCCTTCT GATTTTCTC TCTGAAAGTC CCTGAAGGTA GCACTACTGG GCACAGAGTG	1620
106	AACTGTTCC ACTTGATCTT TCTGAAACAAG AGAAAATAC CCTCCATGCC TTCTACGGAA	1680
107	ACGGAAGTTG CATGAAACAA CCTCCGTTG GCTGTCTGG TTGTGGTATT ACAGAGCTTA	1740
108	ATAAAAGACT TAGATGTGAA AAAAAAAA AAAAAAAA AAAAAA	1785

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112 (2) INFORMATION FOR SEQ ID NO:2:

113

(i) SEQUENCE CHARACTERISTICS:

114

115

(A) LENGTH:	1896 base pairs
(B) TYPE:	nucleic acid
(C) STRANDEDNESS:	single
(D) TOPOLOGY:	linear

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JUN 26 2000

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TECH CENTER 1600/2900

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:2:

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GGTTATGTCT GACTCACTGC ACTGGAGTTT GGCAAAAGCA TCTCAGAAGT GGTTGTGCTT	60
TTTGTGAATGA AATGATCAAT GGAGGTGCTCC AGTTGTATGC TGGCCTCTGG ATACTAACTA	120
GACCTGCCTG ACTCCAGGAA CTAAGGCTCA GTATCTGCAG AAGCTTTTG CCCATCTCAT	180
TCCGGCTATG GGGACAAACAT GTCTTCACCC AGGAAGGTTA GAGGAAAAC TGGAAGAGAT	240
AATGATGAAG AGGAGGGTAA TTCAGGTAAC CTGAATCTCC GCAACTCTTT GCCTTCATCG	300
AGTCAGAAAA TGACGCCTAC GAAGCCGGTA CAAAATAAAA ATCTCATGAA GTATGAAGAA	360
CACTTAGATA TATTGATGGT GTTTTTATTG ATAAAAAACCA TATGGTATAA TGTCTCAAA	420
TTATGGAAAG GCAAGCTTAT TTTTGGGAAT AAAATGAATT CAGAGAATGT AAAACCCCTCC	480
CATCACCTGT CATTCCTCAGA TAAGTATGAG CTTGTTTACCG AGAGCCTTT GGAAAGTGAC	540
ACTGATGAGA CTGTTGGGA TGTCAGTGAC CGGTCTCTCA GAAACAGGTG GAACAGTATG	600
GATTCAAGAGA CTGCAGGGCC GTCAAAGACT GTCTCCCCAG TGCTTTCTGG TAGTAGTAGG	660
CTCTCAAAGG ACACTGAAAC ATCTGTCTCT GAAAAGGAGC TAACTCAGTT GGCTCAGATT	720
CGACCAATTAA TATTCAACAG TTCTGCACGG TCTGCTATGC GGGATTGTTT GAACACGCTT	780
CAGAAAAAAAG AAGAAACTTGA TATCATCCGT GAGTTTTGG AGTTAGAACAA ATAGACTCTG	840
CCTGATGACT TCAATTCTGG GAATACACTA CAGAACAGAG ATAAGAACAG ATACCGAGAT	900
ATTCTTCCAT ATGATTCAAC ACGTGTTCCCT CTTGGAAAAAA ACAAGGACTA CATCAACGCT	960
AGTTATATTA GAATAGTAA TCATGAAGAA GAGTATTTTT ATATTGCCAC TCAAGGACCA	1020
TTGCCAGAAA CTATAGAAGA CTTTTGGCAA ATGGTTCTGG AAAATAATTG TAATGTTATT	1080
GCTATGATAA CCAGAGAGAT AGAATGTGGA GTTATCAAGT GTTACAGTTA CTGGCCATT	1140
TCTCTGAAGG AGCCTTGTGA ATTCAACAC TTTAGTGTCT TTCTGGAGAC CTTTCATGTA	1200
ACTCAATATT TCACCGTTCG AGTATTTCAAG ATTGTGAAGA AGTCCACAGG AAAGAGCCAA	1260
TGTGTAAAAC ACTTGCAGTT CACCAAGTGG CCAGACCATG GCACTCCTGC CTCAGCAGAT	1320
TTTTTCATAA AATATGTCCG TTATGTGAGG AAGAGCCACA TTACAGGACC CCTCCTTGT	1380
CACTGCAGTG CTGGTGTAGG CCGAACAGGG GTGTTCATAT GTGTGGATGT TGTGTTCTCT	1440
GCCATCGAGA AGAACTACTC TTTGACATT ATGAACATAG TGACCCAGAT GAGAAAGCAG	1500
CGCTGTGGCA TGATTCAAAC CAAGGAGCAG TACCAAGTTT GTTATGAAAT TGTGCTTGAA	1560
GTTCTTCAGA ACCTTCTGGC TTTGTATTAAG GAGAGACTTC TGCGCCTGTC CCTCGAGGTT	1620
ACCGAGCAGC TTGGAGCCTG AGCCGTGCTG AAGCGTCTGC GGGCCGTGCA GTCTGCCTTC	1680
TGATTTTCT CTCTGAAAGT CCCTGAAGGT AGCACTACTG GGCACAGAGT GAACTGTTTC	1740

RAW SEQUENCE LISTING
PATENT APPLICATION US/09/095,478ADATE: 06/08/2000
TIME: 07:09:28

INPUT SET: S35575.raw

153 CACTTGATCT TTCTGAACAA GAGCAAAATA CCCTCCATGC CTTCTACGGA AACGGAAGTT 1800
 154 GCATGAAACA ACCTCCGCTT GGCTGTCTGG TTTGTGTTAT TACAGAGCTT AATAAAAGAC 1860
 155 TTAGATGTGA AAAAAAAA AAAAAAAA AAAAAA 1896

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159 (2) INFORMATION FOR SEQ ID NO:3:

160

161 (i) SEQUENCE CHARACTERISTICS:

162

163 (A) LENGTH: 1692 base pairs
 164 (B) TYPE: nucleic acid
 165 (C) STRANDEDNESS: single
 166 (D) TOPOLOGY: linear

167

168 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:3:

169

170 GGTTATGTCT GACTCACTGC ACTGGAGTTT GGCAAAAGCA TCTCAGAAGT GGTTGTGCTT 60
 171 TTTTGAATGA AATGATCAAT GGAGTGCTCC AGTTGTATGC TGGCCTCTGG ATACTAACTA 120
 172 GACCTGCCTG ACTCCAGGAA CTAAGGCTCA GTATCTGCAG AAGCTTTTG CCCATCTCAT 180
 173 TCCGGCTATG GGGACAAACAT GTCTTCACCC AGGAAGGTTA GAGGAAAAAC TGGAAGAGAT 240
 174 AATGATGAAG AGGAGGGTAA TTCAGGTAAC CTGAATCTCC GCAACTCTTT GCCTTCATCG 300
 175 AGTCAGAAAA TGACGCCTAC GAAGCCGATT TTTGGGAATA AAATGAATTC AGAGAATGTA 360
 176 AAACCCTCCC ATCACCTGTC ATTCTCAGAT AAGTATGAGC TTGTTTACCC AGAGCCTTG 420
 177 GAAAGTGACA CTGATGAGAC TGTGTGGGAT GTCACTGACC GGCTCTCTAG AAACAGGTGG 480
 178 AACAGTATGG ATTCAGAGAC TGCAGGGCCG TCAAAGACTG TCTCCCCAGT GCTTTCTGGT 540
 179 AGTAGTAGGC TCTCAAAGGA CACTGAAACA TCTGTCTCTG AAAAGGAGCT AACTCAGTTG 600
 180 GCTCAGATTG GACCATTAAAT ATTCAACAGT TCTGCACGGT CTGCTATGCG GGATTGTTG 660
 181 AACACGCTTC AGAAAAAAAGA AGAACCTGAT ATCATCCGTG AGTTTTTGGA GTTAAACAA 720
 182 ATGACTCTGC CTGATGACTT CAATTCTGGG AATACACTAC AGAACAGAGA TAAGAACAGA 780
 183 TACCGAGATA TTCTTCCATA TGATTCAACA CGTGTCTCTC TTGGAAAAAA CAAGGACTAC 840
 184 ATCAACGCTA GTTATATTAG AATAGTAAAT CATGAAGAAG AGTATTTTA TATTGCCACT 900
 185 CAAGGACCAT TGCCAGAAC TATAGAAGAC TTTTGGAAA TGTTCTGGA AAATAATTGT 960
 186 AATGTTATTG CTATGATAAC CAGAGAGATA GAATGTGGAG TTATCAAGTG TTACAGTTAC 1020
 187

188 TGGCCCATTG CTCTGAAGGA GCCTTTGGAA TTCGAACACT TTAGTGTCTT TCTGGAGACC 1080
 189 TTTCATGTAA CTCATATTG CACCGTTGGA GTATTCAGA TTGTGAAGAA GTCCACAGGA 1140
 190 AAGAGCCAAT GTGTAAAACA CTTGCAGTTC ACCAAGTGGC CAGACCATGG CACTCCTGCC 1200
 191 TCAGCAGATT TTTTCATAAA ATATGTCCGT TATGTGAGGA AGAGCCACAT TACAGGACCC 1260
 192 CTCCTTGTTC ACTGCAGTGC TGGTGTAGGC CGAACAGGGG TGGTCTATATG TGTGGATGTT 1320
 193 GTGTCTCTG CCATCGAGAA GAACTACTCT TTTGACATTA TGAACATAGT GACCCAGATG 1380
 194 AGAAAGCAGC GCTGTGGCAT GATTCAAACC AAGGTTACCG AGCAGCTTGG AGCCTGAGCC 1440
 195 GTGCTGAAGC GTCTGCAGGC CGTGCAGTCT GCCTTCTGAT TTTTCTCTCT GAAAGTCCCT 1500
 196 GAAGGTAGCA CTACTGGCA CAGAGTGAAC TGGTTCACACT TGATCTTTCT GAACAAGAGC 1560
 197 AAAATACCT CCATGCCTTC TACGGAAACG GAAGTGCAT GAAACAAACCT CCGCTTGGCT 1620
 198 GTCTGGTTTG TGGTATTACA GAGCTTAATA AAAGACTTAG ATGTGAAAAA AAAAAAAA 1680
 199 AAAAAAAA AA 1692

200

201

202

203 (2) INFORMATION FOR SEQ ID NO:4:

204

205 (i) SEQUENCE CHARACTERISTICS:

RAW SEQUENCE LISTING
PATENT APPLICATION US/09/095,478ADATE: 06/08/2000
TIME: 07:09:29

INPUT SET: S35575.raw

206

(A) LENGTH: 320 base pairs
(B) TYPE: nucleic acid
(C) STRANDEDNESS: single
(D) TOPOLOGY: linear

211

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:4:

213

GAAAATAATT GTAATGTTAT TGCTATGATA ACCAGAGAGA TAGAAGGTGG AGTTATCAAG 60
TGTTGCAGTT ACTGGCCCGT TTCTCTGAAG GAGCCTTG 60
CTTCTGGAGA ACTTTCAGAT AACTCAGTAT TTTGTCATCC GAATATTCA AATTGTGAAG 120
AAGTCCACAG GAAAGAGTCA CTCTGTAAA CACTTGCAGT TCATCAAATG GCCAGACCAT 180
GGCACTCCTG CCTCAGTAGA TTTTTTCATC AAATATGTCC GTTATGTGAG GAAGAGCCAC 240
ATTACAGGAC CCCTCCTTGT 300
320

220

221

222

(2) INFORMATION FOR SEQ ID NO:5:

224

(i) SEQUENCE CHARACTERISTICS:

226

(A) LENGTH: 426 amino acids
(B) TYPE: amino acid
(C) STRANDEDNESS: single
(D) TOPOLOGY: linear

231

(ii) MOLECULE TYPE: peptide

232

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:5:

234

Met Ser Ser Pro Arg Lys Val Arg Gly Lys Thr Gly Arg Asp Asn Asp
1 5 10 15

237

Glu Glu Glu Gly Asn Ser Gly Asn Leu Asn Leu Arg Asn Ser Leu Pro
20 25 30

239

Ser Ser Ser Gln Lys Met Thr Pro Thr Lys Pro Ile Phe Gly Asn Lys
35 40 45

241

Met Asn Ser Glu Asn Val Lys Pro Ser His His Leu Ser Phe Ser Asp
50 55 60

243

Lys Tyr Glu Leu Val Tyr Pro Glu Pro Leu Glu Ser Asp Thr Asp Glu
65 70 75 80

249

Thr Val Trp Asp Val Ser Asp Arg Ser Leu Arg Asn Arg Trp Asn Ser
85 90 95

251

Met Asp Ser Glu Thr Ala Gly Pro Ser Lys Thr Val Ser Pro Val Leu
100 105 110

255

Ser Gly Ser Ser Arg Leu Ser Lys Asp Thr Glu Thr Ser Val Ser Glu
115 120 125

257

INPUT SET: S35575.raw

***** PREVIOUSLY ERRORED SEQUENCES - EDITED *****

829 (2) INFORMATION FOR SEQ ID NO:23:

830

831 (i) SEQUENCE CHARACTERISTICS:

832

833 (A) LENGTH: 29 amino acids
834 (B) TYPE: amino acid
835 (C) STRANDEDNESS: single
836 (D) TOPOLOGY: linear

837

838 (ii) MOLECULE TYPE: peptide

839

840 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:23:

841

842 Trp Asp Val Ser Asp Arg Ser Leu Arg Asn Arg Trp Asn Ser Met Asp
843 1 5 10 15

844

845 Ser Glu Thr Ala Gly Pro Ser Lys Thr Val Ser Pro Val
846 20 25

847

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PAGE: 1

SEQUENCE VERIFICATION REPORT
PATENT APPLICATION **US/09/095,478A**

DATE: 06/08/2000
TIME: 07:09:31

INPUT SET: S35575.raw

Line

Error

Original Text

L. von Hoffman.

1642

PAGE: 1

**RAW SEQUENCE LISTING
PATENT APPLICATION US/09/095,478A**

DATE: 06/06/2000
TIME: 00:21:16

INPUT SET: S35575.raw

This Raw Listing contains the General Information Section and those Sequences containing ERRORS.

RAW SEQUENCE LISTING
PATENT APPLICATION US/09/095,478ADATE: 06/06/2000
TIME: 00:21:17

INPUT SET: S35575.raw

46 (B) FILING DATE: June 11, 1997
47
48 (A) APPLICATION NUMBER:
49 (B) FILING DATE:
50
51
52 (viii) ATTORNEY/AGENT INFORMATION:
53
54 (A) NAME: Warburg, Richard J.
55 (B) REGISTRATION NUMBER: 32,327
56 (C) REFERENCE/DOCKET NUMBER: 235/054
57
58
59
60
61
62 (ix) TELECOMMUNICATION INFORMATION:
63
64 (A) TELEPHONE: (858) 720-2500
65 (B) TELEFAX: (585) 720-2555
66 (C) TELEX: 3760
67

ERRORED SEQUENCES FOLLOW:

829 (2) INFORMATION FOR SEQ ID NO:23:
830
831 (i) SEQUENCE CHARACTERISTICS:
832
833 (A) LENGTH: 29 amino acids
834 (B) TYPE: amino acid
835 (C) STRANDEDNESS: single
836 (D) TOPOLOGY: linear
837
838 (ii) MOLECULE TYPE: peptide
839
840 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:23:
841
842 Trp Asp Val Ser Asp Arg Ser Leu Arg Asn Arg Trp Asn Ser Met Asp
843 1 5 10 15
844
845 Ser Glu Thr Ala Gly Pro Ser Lys Thr Val Ser Pro Val
846 20 25
847 110
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852 SSSD/93680. v01
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PAGE: 3

**RAW SEQUENCE LISTING
PATENT APPLICATION US/09/095,478A**

DATE: 06/06/2000
TIME: 00:21:18

INPUT SET: S35575.raw

854 1
855
856
857 1
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859
860

PAGE: 1

SEQUENCE VERIFICATION REPORT
PATENT APPLICATION US/09/095,478A

DATE: 06/06/2000
TIME: 00:21:19

INPUT SET: S35575.raw

Line	Error	Original Text
852	Wrong Amino Acid Designator	SSSD/93680. v01
852	Wrong Amino Acid Designator	SSSD/93680. v01